



INPUT AND OUTPUT STREAMS OF FRAME.

FIG.1

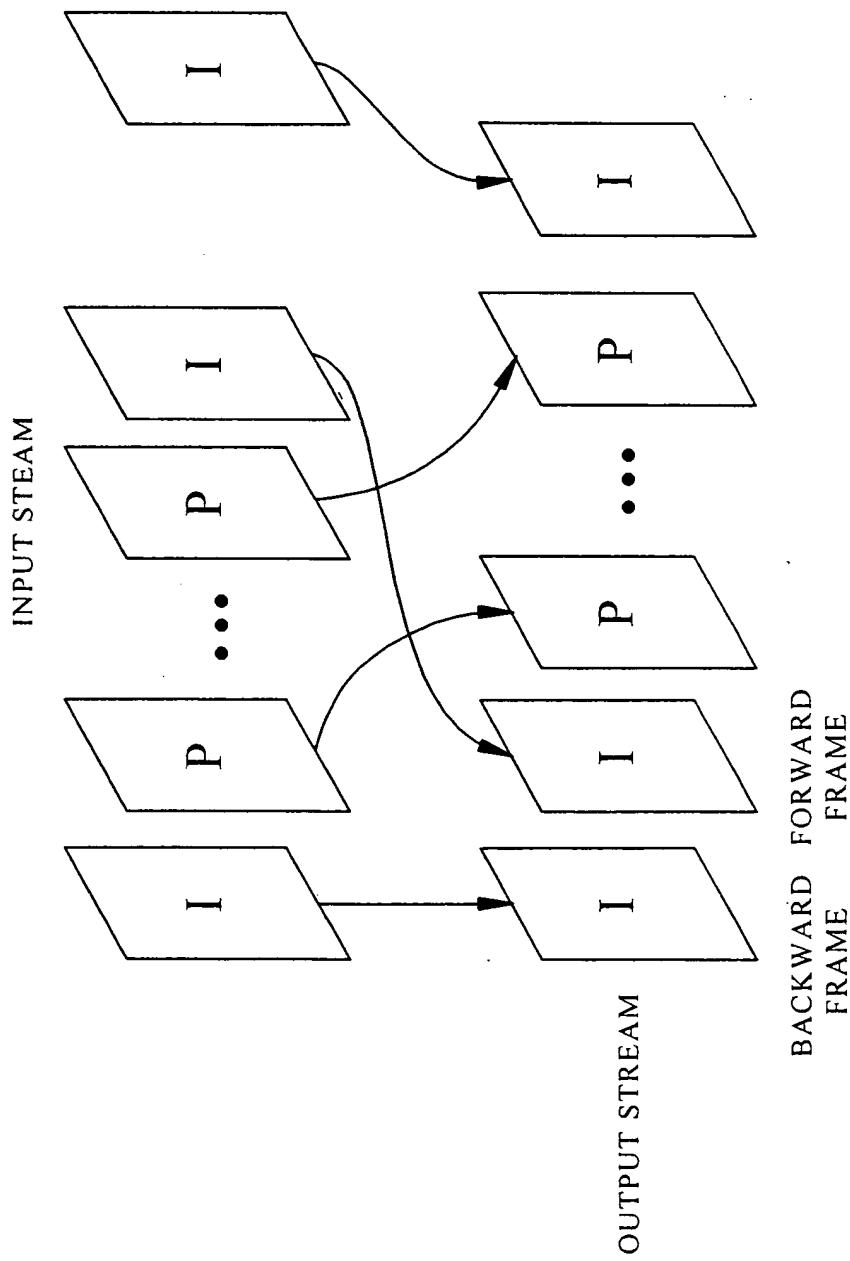
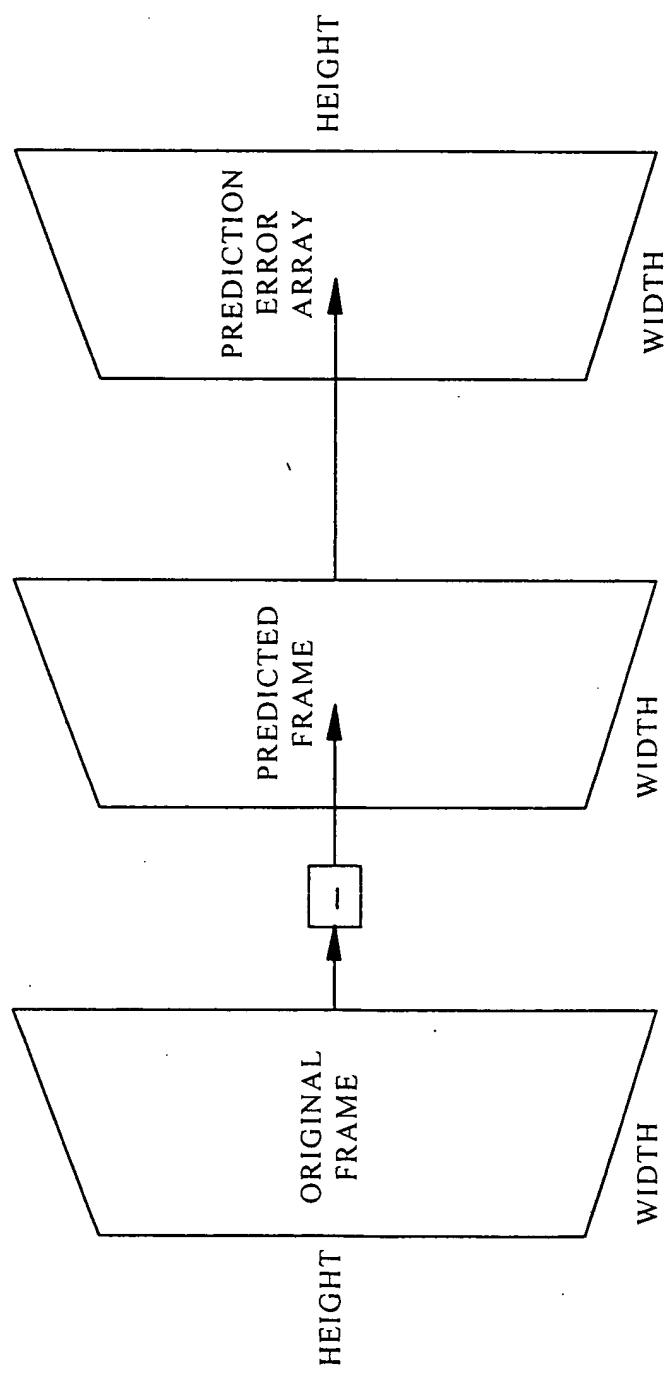


FIG.2 PREDICTION ERROR COMPUTING



MOTION COMPENSATION SCHEME

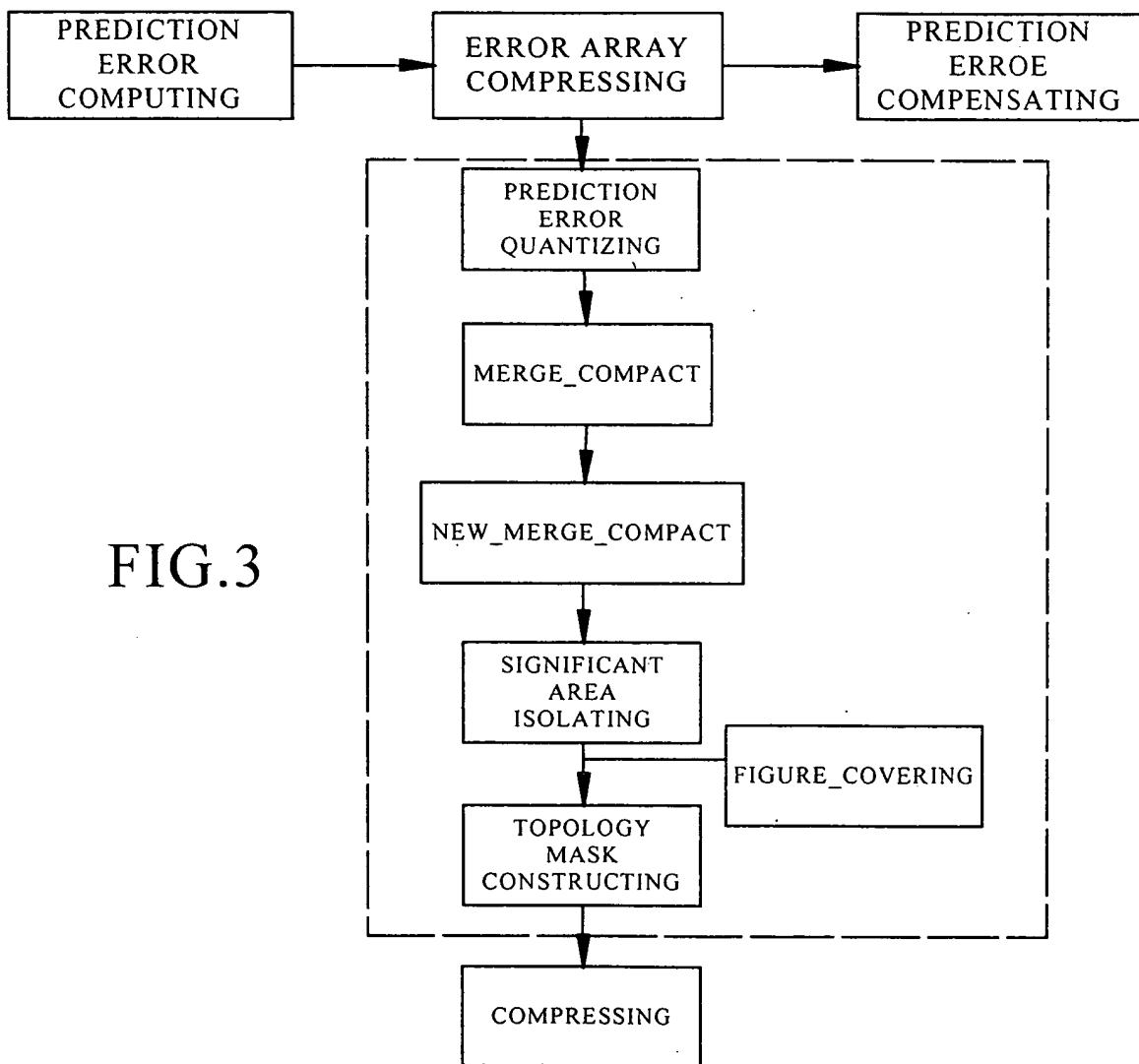
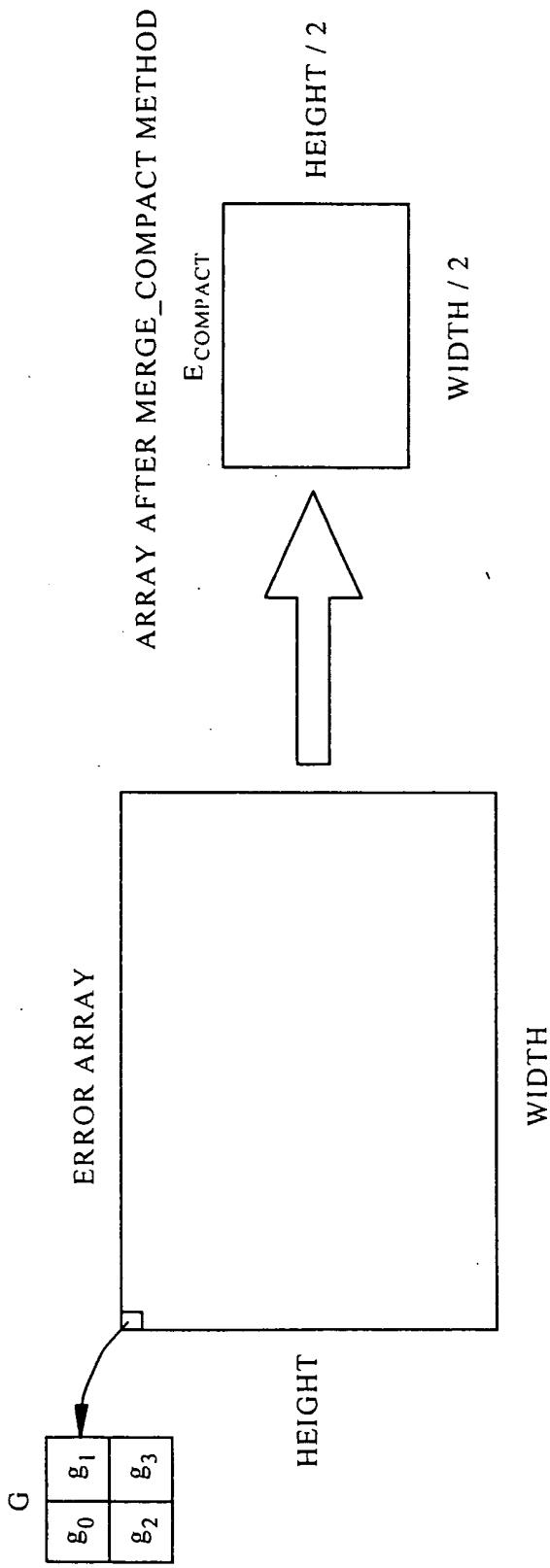


FIG.3

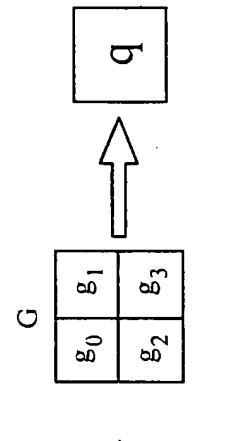
FIG.4

MERGE COMPACT METHOD

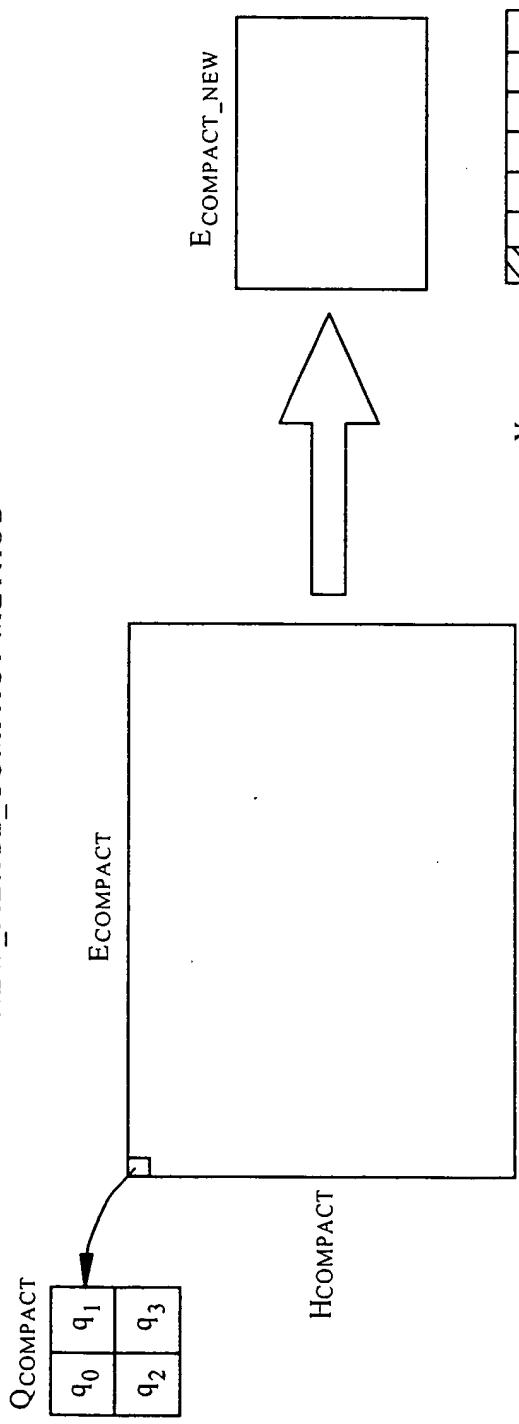


E_COMPACT FORMING CONDITIONS:

1. $g_0 = g_1 = g_2 = g_3 = x \Rightarrow q = x$.
2. $g_i > 0, i=0,3 \Rightarrow q = g_{\min}$.
3. $g_i < 0, i=0,3 \Rightarrow q = g_{\max}$.
4. $g_i < 0 \& g_i > 0 || g_i = 0, i=0,3 \Rightarrow q = 0$.



NEW_MERGE_COMPACT METHOD



BIT MASKS:

Y_1	0	0	0	1
Y_2	0	0	-1	0
Y_3	0	0	-1	-1
Y_4	0	-1	0	0
Y_5	0	1	0	1
Y_6	0	1	-1	0
Y_7	0	1	-1	-1
Y_8	-1	0	0	0
Y_9	-1	0	0	1
Y_{10}	-1	0	-1	0
Y_{11}	-1	0	-1	-1
Y_{12}	-1	1	0	0
Y_{13}	-1	1	0	1
Y_{14}	-1	1	-1	0

FIG.5

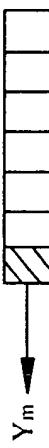


FIG.6

NEW_MERGE_COMPACT METHOD EXAMPLE

1. $Q_{COMPACT}$

-5	-3
8	3

 $S_+ = 11, S_- = 8.$
2.

0	0
8	3

 $S_+ > S_- \rightarrow$
BIT MASK \rightarrow

0	0	1	1
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 $\rightarrow Y_3$
 $Y_3 \rightarrow$ TO M ARRAY
3.

0	0
8	3

 $3 < 8 \rightarrow q_{NEW} = 3 + k$

FIG. 7

SIGNIFICANT AREA ISOLATING

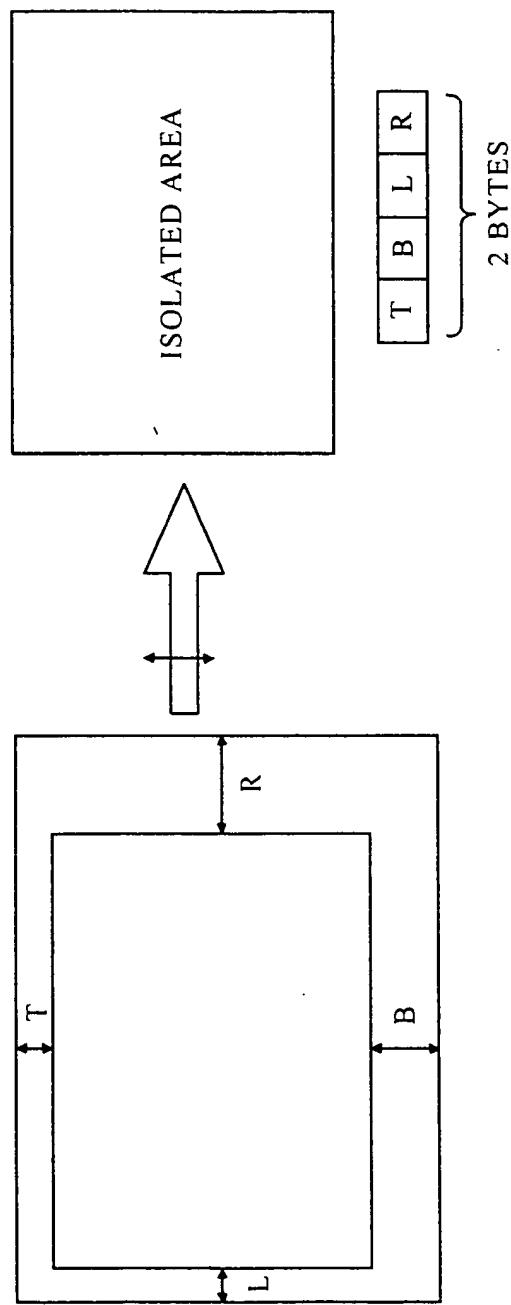


FIG.8

FIGURE COVERING METHOD

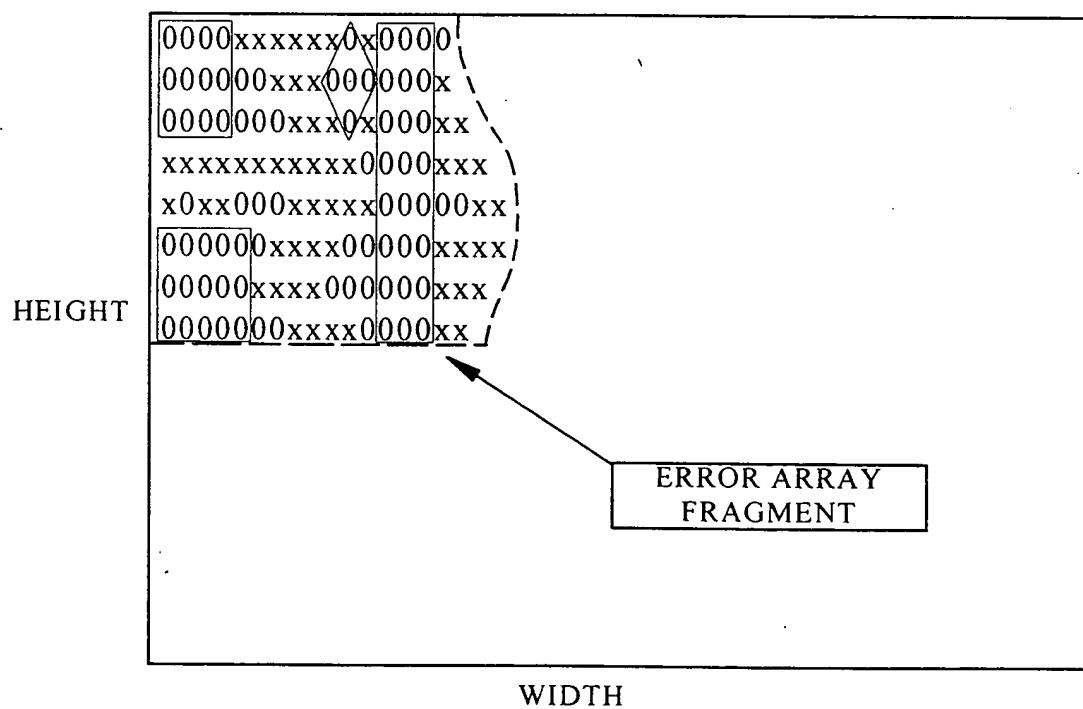
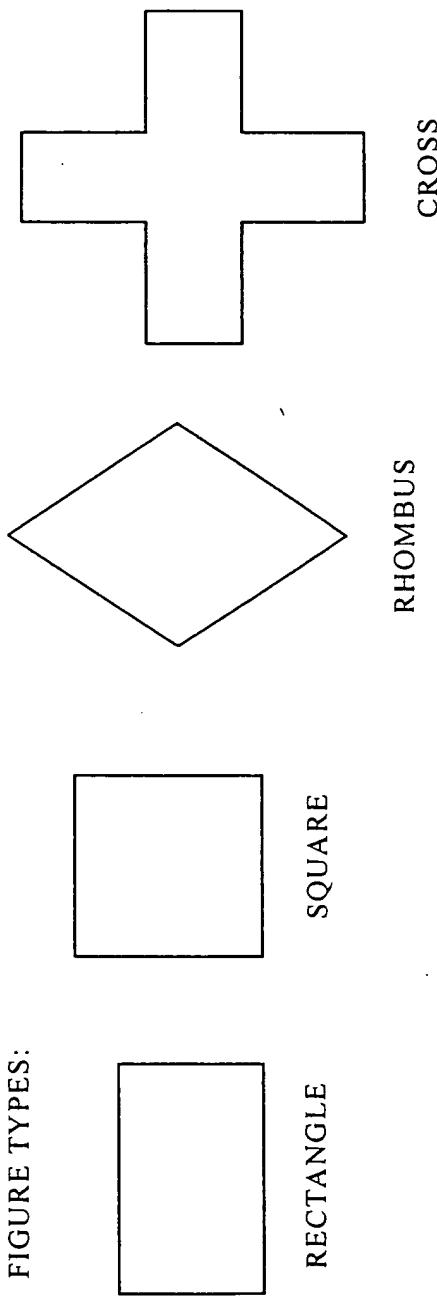


FIG.9

GEOMETRIC FIGURE TYPES USED FOR FIGURE COVERING
METHOD AND DATA WRITING ORDER

FIGURE TYPES:



DATA WRITING ORDER:

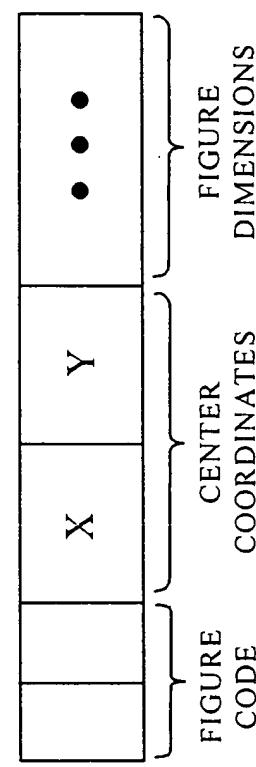


FIG. 10

TOPOLOGY MASK CONSTRUCTING

